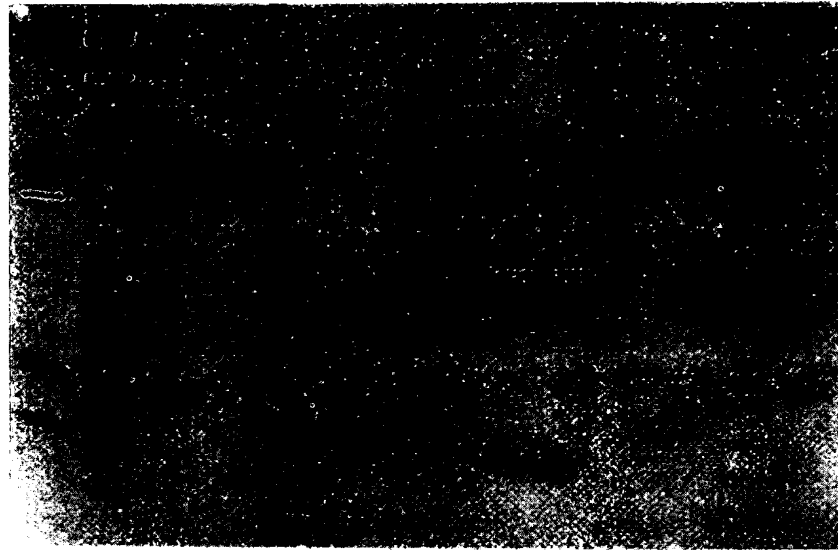


fraction: M L 21 22 23 24 25 26 27 28 29 30 31 32

70 kD

30 kD

18 kD



## SCG SURVIVAL

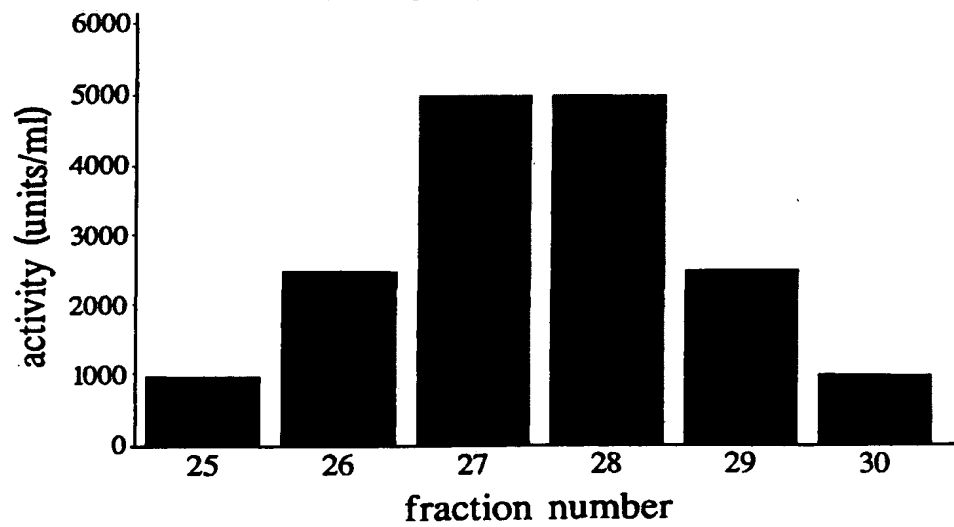
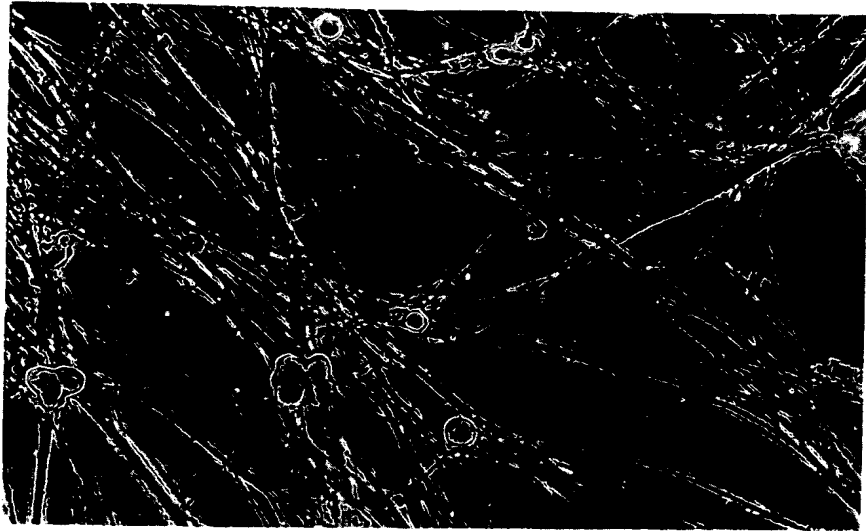
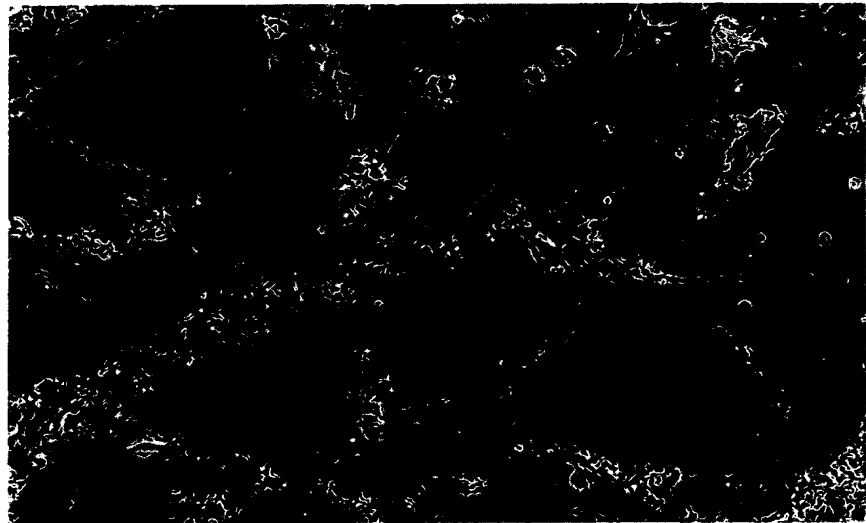


Figure 2

A) NGF



B) Anti-NGF



C) Anti-NGF  
+  
Neurturin

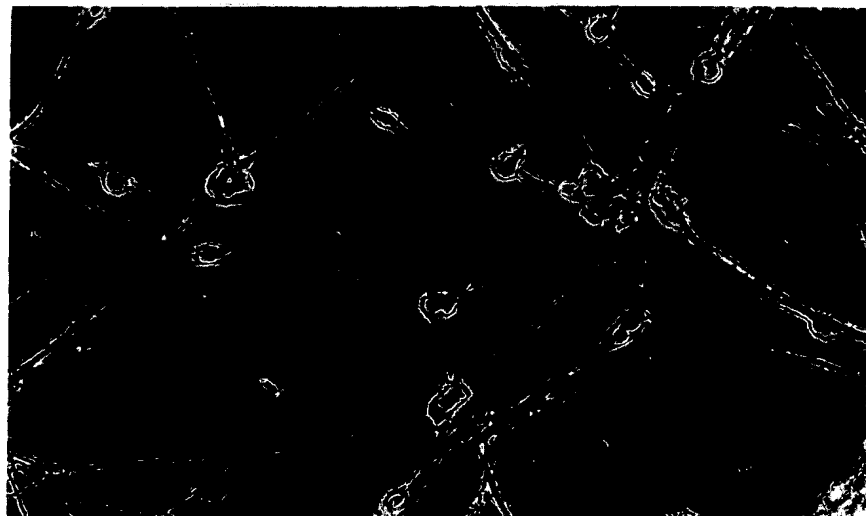


Figure 3

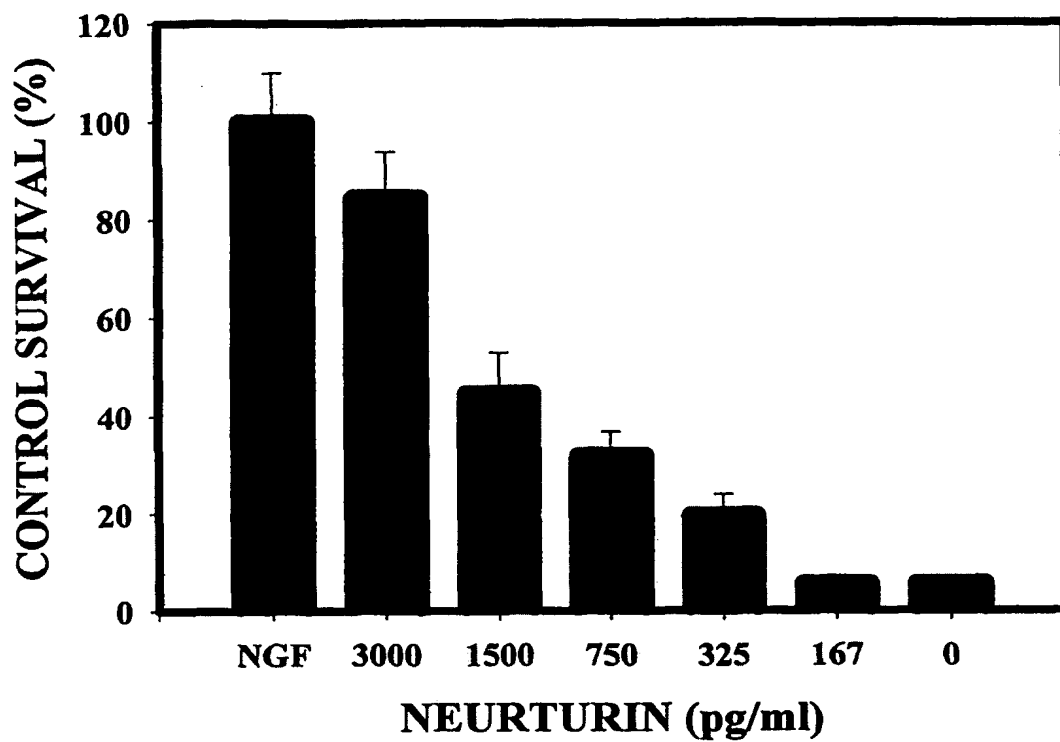


Figure 4

1	S P O K Q M A V L P R R E R N R Q A A A A N P E N S R G K G	hGDNF
1	S P O K Q A A A L P R R E R N R Q A A A A S P E N S R G K G	mGDNF
1	S P O K Q A A A L P R R E R N R Q A A A A S P E N S R G K G	rGDNF
1	- -	hNTN
1	- -	mNTN
31	R R G Q R G K N R G C V L T A I H L N V T D L G L G Y E T K	hGDNF
31	R R G Q R G K N R G C V L T A I H L N V T D L G L G Y E T K	mGDNF
31	R R G Q R G K N R G C V L T A I H L N V T D L G L G Y E T K	rGDNF
1	- - - A R L G A R P C G L R E L E V R V S E L G L G Y A S D	hNTN
1	- - - - - P G A R P C G L R E L E V R V S E L G L G Y T S D	mNTN
61	E E L I F R Y C S G S C D A A E T T Y D K I L K N L S R N R	hGDNF
61	E E L I F R Y C S G S C E A A E T M Y D K I L K N L S R S R	mGDNF
61	E E L I F R Y C S G S C E A A E T M Y D K I L K N L S R S R	rGDNF
28	E T V L F R Y C A G A C E A A A R V Y D L G L R R L R Q R R	hNTN
26	E T V L F R Y C A G A C E A A A I R I Y D L G L R R L R Q R R	mNTN
91	R L V S O K V - G Q A C C R P I A F D D D L S F L D D N L V	hGDNF
91	R L T S O K V - G Q A C C R P V A F D D D L S F L D D N L V	mGDNF
91	R L T S O K V - G Q A C C R P V A F D D D L S F L D D S L V	rGDNF
58	R L R R E R V R A Q P C C R P T A Y E D E V S F L D A H S R	hNTN
56	R V R R E R A R A H P C C R P T A Y E D E V S F L D V H S R	mNTN
120	Y H I L R K H S A K R C G C I .	hGDNF
120	Y H I L R K H S A K R C G C I .	mGDNF
120	Y H I L R K H S A K R C G C I .	rGDNF
88	Y H T V H E L S A R E C A C V .	hNTN
86	Y H T L Q E L S A R E C A C V .	mNTN

Figure 5

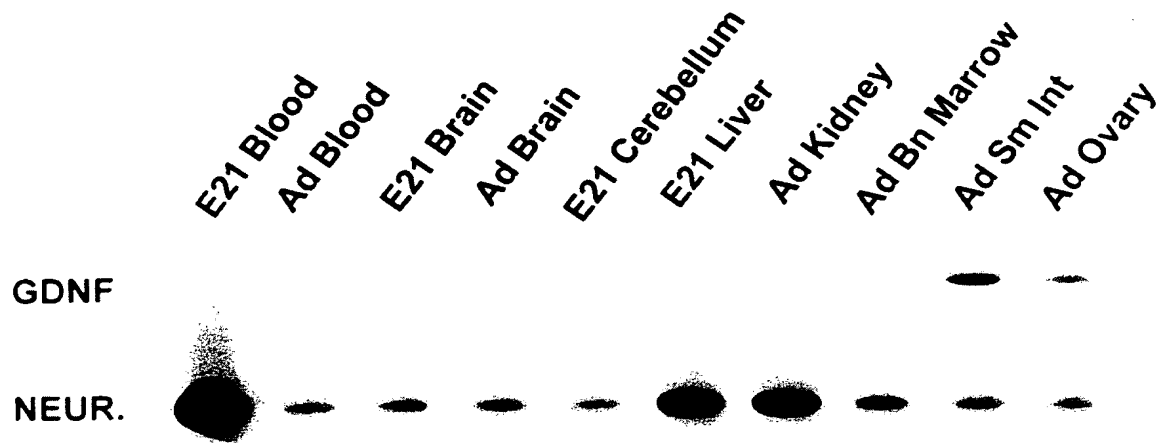


Figure 6

ATGCAGCGCTGGAAGGCGGCGGCCTTGGCCTCAGTGCTCTGCAGCTCCGTGCTGTCCATC 60  
Met Gln Arg Trp Lys Ala Ala Ala Leu Ala Ser Val Leu Cys Ser Ser Val Leu Ser Ile

TGGATGTGTCGAGAGGGCCTGCTTCTCAGCCACCGCCTCGGACCTGCGCTGGTCCCCCTG 120  
Trp Met Cys Arg Glu Gly Leu Leu Leu Ser His Arg Leu Gly Pro Ala Leu Val Pro Leu

CACCGCCTGCCTCGAACCCTGGACGCCCCGATTGCCCGCCTGGCCCAGTACC GTGCACTC 180  
His Arg Leu Pro Arg Thr Leu Asp Ala Arg Ile Ala Arg Leu Ala Gln Tyr Arg Ala Leu

CTGCAGGGGGCCCCGGATGCGATGGAGCTGCGCGAGCTGACGCCCTGGGCTGGGCGGCCCC 240  
Leu Gln Gly Ala Pro Asp Ala Met Glu Leu Arg Glu Leu Thr Pro Trp Ala Gly Arg Pro

CCAGGTCCGCGCCGTGCGGCGGGGCCCCGGCGGGCGGCGCGCGTGC GCGGGTTGGGGGCG 300  
Pro Gly Pro Arg Arg Arg Ala Gly Pro Arg Arg Arg Arg Ala Arg Ala Arg Leu Gly Ala

CGGCCTTGCGGGCTGCGCGAGCTGGAGGTGCGCGTGAGCGAGCTGGGCCTGGGCTACGCG 360  
Arg Pro Cys Gly Leu Arg Glu Leu Glu Val Arg Val Ser Glu Leu Gly Leu Gly Tyr Ala

TCCGACGAGACGGTGCTGTTCGCTACTGCGCAGGCGCCTGCGAGGCTGCCGCGCGCGTC 420  
Ser Asp Glu Thr Val Leu Phe Arg Tyr Cys Ala Gly Ala Cys Glu Ala Ala Ala Arg Val

TACGACCTCGGGCTGCGACGACTGCGCCAGCGGCGGCGCCTGCGGCGGGAGCGGGTGCGC 480  
Tyr Asp Leu Gly Leu Arg Arg Leu Arg Gln Arg Arg Arg Leu Arg Arg Glu Arg Val Arg

GCGCAGCCCTGCTGDCGDCCGACGCGCTACGAGGACGAGGTGTCCTTCCTGGACGCGCAC 540  
Ala Gln Pro Cys Cys Arg Pro Thr Ala Tyr Glu Asp Glu Val Ser Phe Leu Asp Ala His

AGCCGCTACCACACGGTGACGAGCTGTCGGCGCGCGAGTGCGCCTGCGTGTGA 594  
Ser Arg Tyr His Thr Val His Glu Leu Ser Ala Arg Glu Cys Ala Cys Val

Figure 7

ATGAGGCGCTGGAAGGCAGCGGCCCTGGTGTGCTCATCTGCAGCTCCCTGCTATCTGTC 60  
Met Arg Arg Trp Lys Ala Ala Ala Leu Val Ser Leu Ile Cys Ser Ser Leu Leu Ser Val

TGGATGTGCCAGGAGGGTCTGCTCTTGGGGCCACCGCCTGGGACCCGCGCTTGCCCCGCTA 120  
Trp Met Cys Gln Glu Gly Leu Leu Leu Gly His Arg Leu Gly Pro Ala Leu Ala Pro Leu

CGACGCCCTCCACGCACCCTGGACGCCCGCATCGCCCGCTGGCCCA<sup>↓</sup>GTATCGCGCTCTG 180  
Arg Arg Pro Pro Arg Thr Leu Asp Ala Arg Ile Ala Arg Leu Ala Gln Tyr Arg Ala Leu

CTCCAGGGCGCCCCGACGCGGTGGAGCTTCGAGAACTTCTCCCTGGGCTGCCCGCATC 240  
Leu Gln Gly Ala Pro Asp Ala Val Glu Leu Arg Glu Leu Ser Pro Trp Ala Ala Arg Ile

CCGGGACCGCGCCGTCGAGCGGGTCCCCGGCGTCGGCGGGCGCGGGCCGGGGGCTCGGCCT 300  
Pro Gly Pro Arg Arg Arg Ala Gly Pro Arg Arg Arg Arg Ala Arg Pro Gly Ala Arg Pro

TGTGGGCTGCGCGAGCTCGAGGTGCGCGTGAGCGAGCTGGGCCTGGGCTACACGTCGGAT 360  
Cys Gly Leu Arg Glu Leu Glu Val Arg Val Ser Glu Leu Gly Leu Gly Tyr Thr Ser Asp

GAGACCGTGCTGTTCCGCTACTGCGCAGGCGCGTGCGAGGCGGCCATCCGCATCTACGAC 420  
Glu Thr Val Leu Phe Arg Tyr Cys Ala Gly Ala Cys Glu Ala Ala Ile Arg Ile Tyr Asp

CTGGGCCTTCGGCGCCTGCGCCAGCGGAGGCGCGTGCGCAGAGAGCGGGCGCGGGCGCAC 480  
Leu Gly Leu Arg Arg Leu Arg Gln Arg Arg Arg Val Arg Arg Glu Arg Ala Arg Ala His

CCGTGTTGTCGCCCACGGCCTATGAGGACGAGGTGTCCTTCTGGACGTGCACAGCCGC 540  
Pro Cys Cys Arg Pro Thr Ala Tyr Glu Asp Glu Val Ser Phe Leu Asp Val His Ser Arg

TACCACACGCTGCAAGAGCTGTCGGCGCGGGAGTGCGCGTGCGTGTGA 588  
Tyr His Thr Leu Gln Glu Leu Ser Ala Arg Glu Cys Ala Cys Val

Figure 8

GGAGGGAGAGCGCGCGGTGGTTTCGTCCGTGTGCCCCGCGCCCGGCGC	-301
TOCTCGCGTGGCCCCGCGTCCTGAGCGCGCTCCAGCCTCCACGCGCGCC	-251
ACCCCGGGGTTCACTGAGCCCGGCGAGCCCGGGGAAGACAGAGAAAGAGA	-201
GGCCAGGGGGGGAACCCCATGGCCCGGCCCGTGTCCCGCACCCCTGTGCGG	-151
TGGCCTCCTCCGGCACGGGGTCCCCGGGTGCGCTCCGGTCCCCGCGATCC	-101
GGATGGCGCACGCAGTGGCTGGGGCCGGGCCGGGCTCGGGTGGTGGGAGG	-51
AGTCACCACTGACCGGGTCATCTGGAGCCCGTGGCAGGCCGAGGCCAGG	-1
<u>ATGAGGCGCTGGAAGGCAGCGGCCCTGGTGTGCTCATCTGCAGCTCCCT</u>	50
<u>GCTATCTGTCTGGATGTGCCAGGAGGGTCTGCTCTTGGGCCACCGCCTGG</u>	100
<u>GACCCGCGCTTGCCCCGCTACGACGCCCTCCACGCACCCCTGGACGCCCGC</u>	150
<u>ATCGCCCGCCTGGCCAGTATCGCGCTCTGCTCCAGGGCGCCCCGACGC</u>	200
<u>GGTGGAGCTTCGAGAACTTTCTCCCTGGGCTGCCCGCATCCCGGGACCGC</u>	250
<u>GCCGTGAGCGGGTCCCCGGCGTGGCGGGCGCGGCCGGGGGCTCGGCCT</u>	300
<u>TGTGGGCTGCGCGAGCTCGAGGTGCGCGTGAGCGAGCTGGGCCTGGGCTA</u>	350
<u>CAOGTCGGATGAGACCGTGCTGTTCCGCTACTGCGCAGGCGCGTGCGAGG</u>	400
<u>CGGCCATCCGCATCTACGAOCTGGGCCTTCGGCGCCTGCGCCAGCGGAGG</u>	450
<u>CGCGTGCGCAGAGAGCGGGCGCGGGCGCACCCGTGTTGTGCCCCGACGGC</u>	500
<u>CTATGAGGACGAGGTGTCTTCCCTGGACGTGCACAGCCGCTACCAACGC</u>	550
<u>TGCAAGAGCTGTGCGCGCGGGAGTGCGCGTGCGTGTGATGCTACCTCACG</u>	600
CCCCCGACCTGCGAAAGGGCCCTCCCTGCCGACCCTCGCTGAGAACTGA	650
CTTCACATAAAGTGTGGGAACTCCC	675

Figure 9

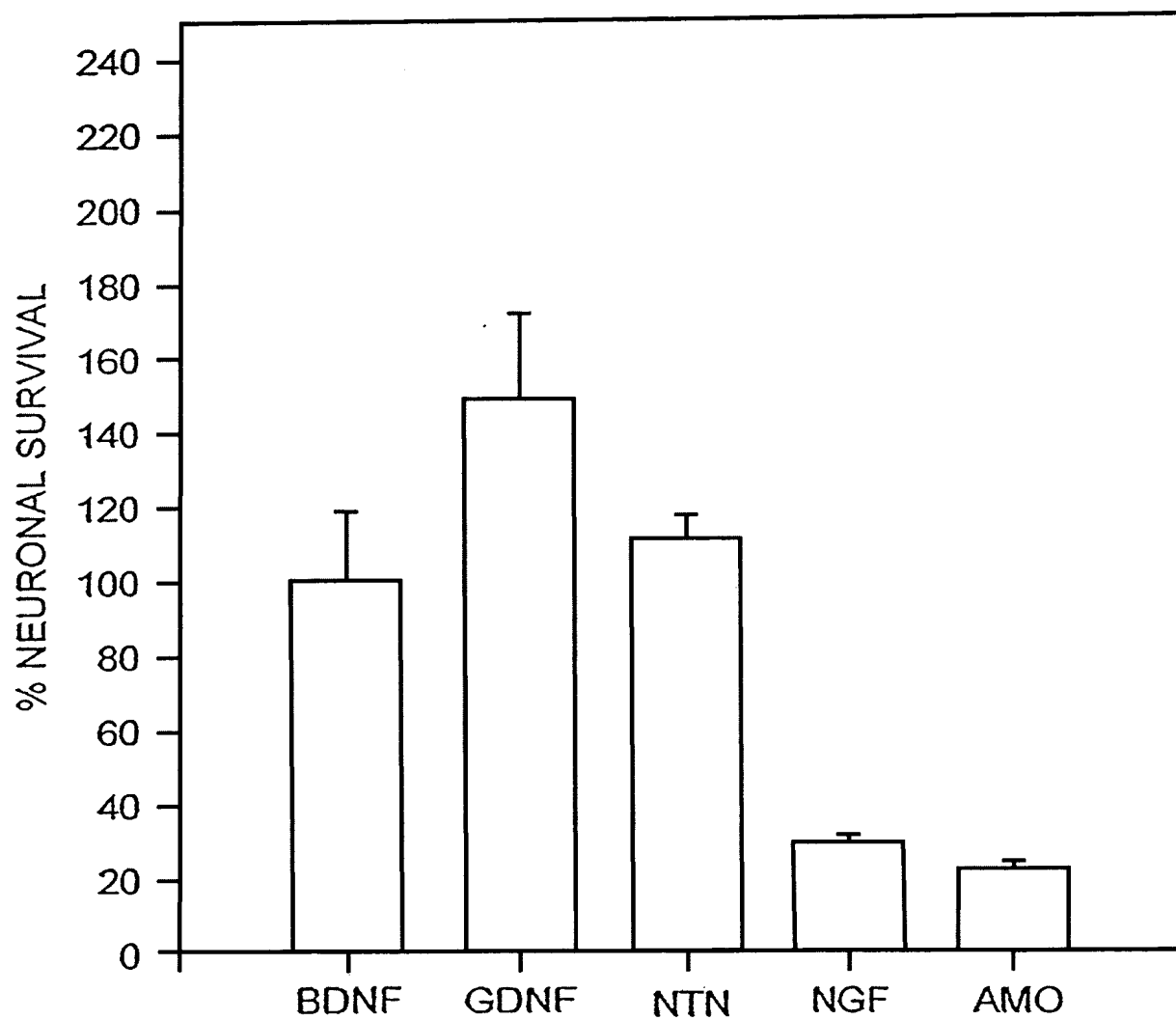


Figure 10

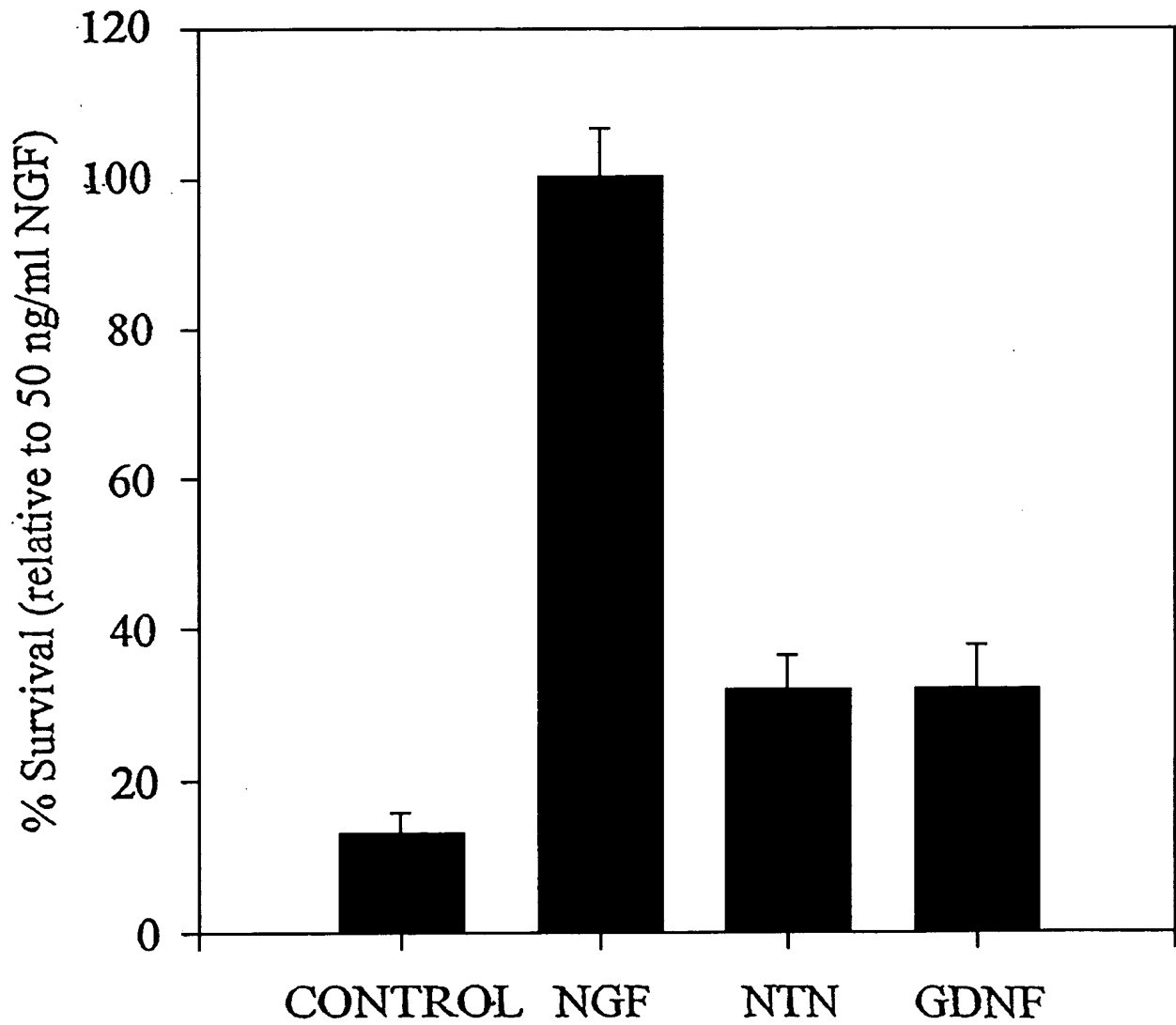


Figure 11

Title:  
Inventor(s):  
Appln. No.  
Docket #

Neurturin and Related Growth Factors  
Johnson et al.  
09/476,290 - Replacement Sheet  
56029-2669

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Figure 12A

Figure 12B

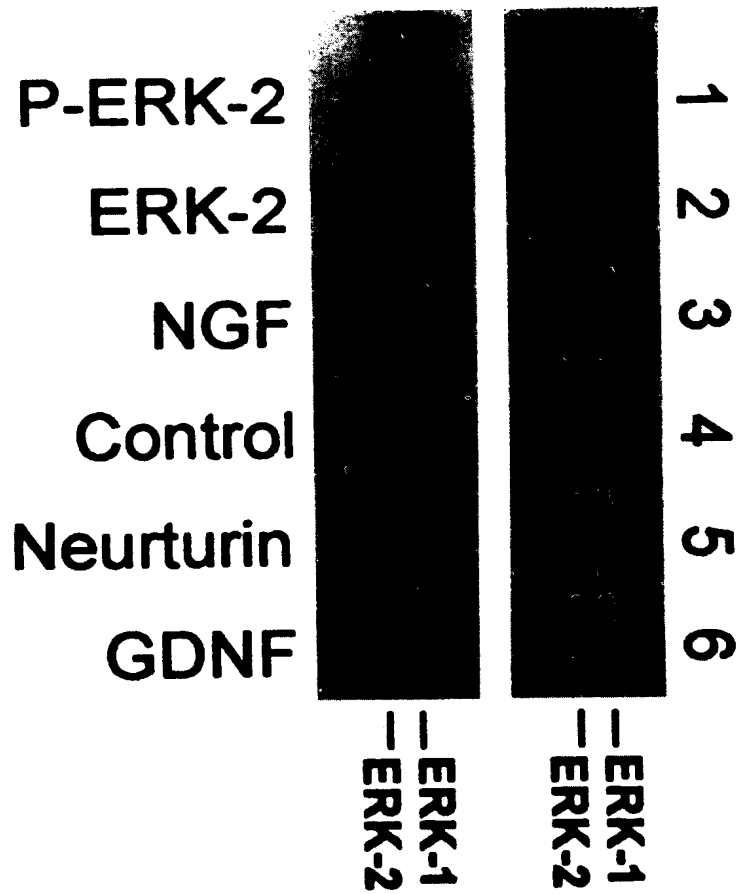
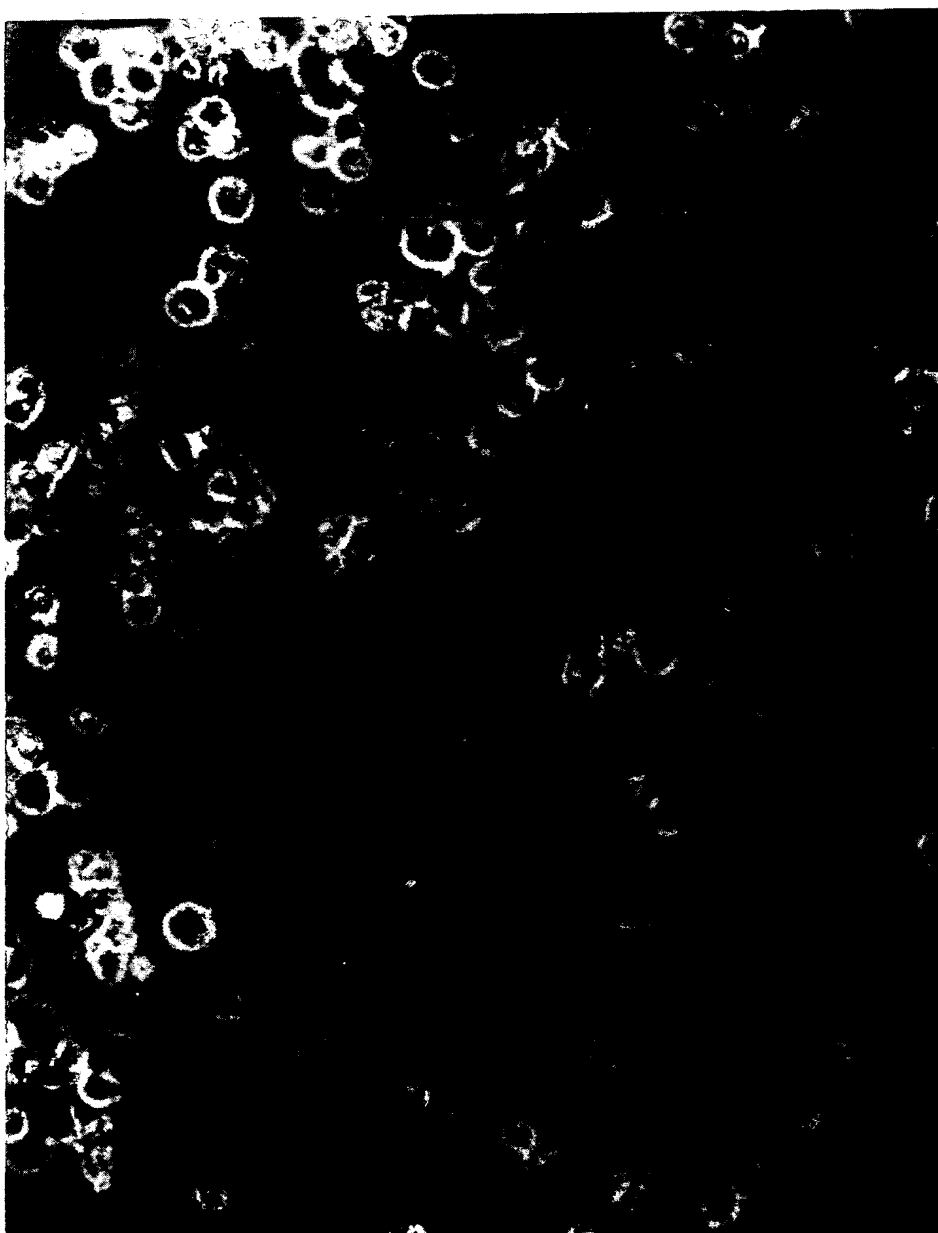


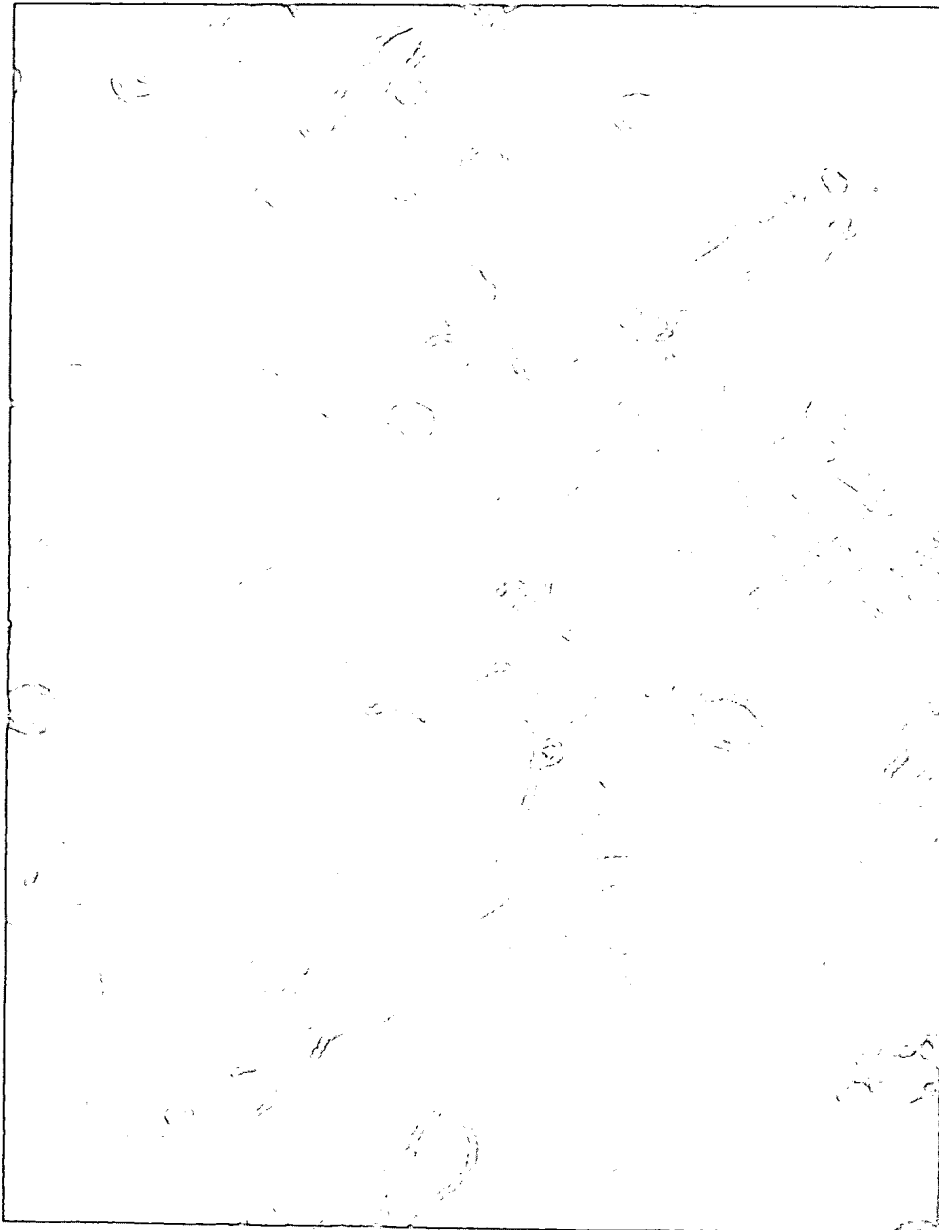
Figure 13A. Untreated



Title: Neurturin and Related Growth Factors  
Inventor(s): Johnson et al.  
Appl. No. 09/476,290 - Replacement Sheet  
Docket # 56029-2669

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Figure 13B. Neurturin-treated



## MAPK Response in Neuroblastoma Cell Lines

Figure 14A

**SK-NSH Neuroblastoma (naive)**

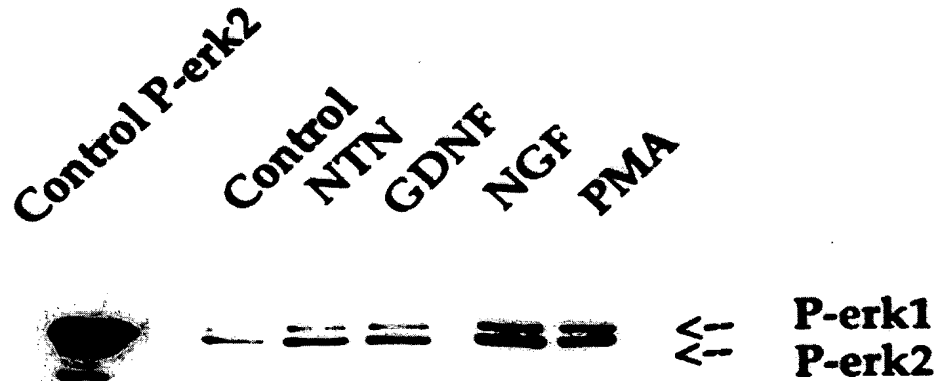


Figure 14A

Figure 14B    **NGP Neuroblastoma (RA tx)**

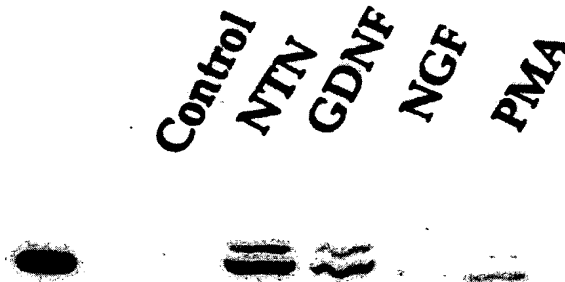
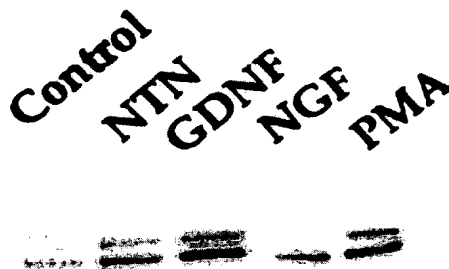


Figure 14C    **SY5Y Neuroblastoma (RX tx)**



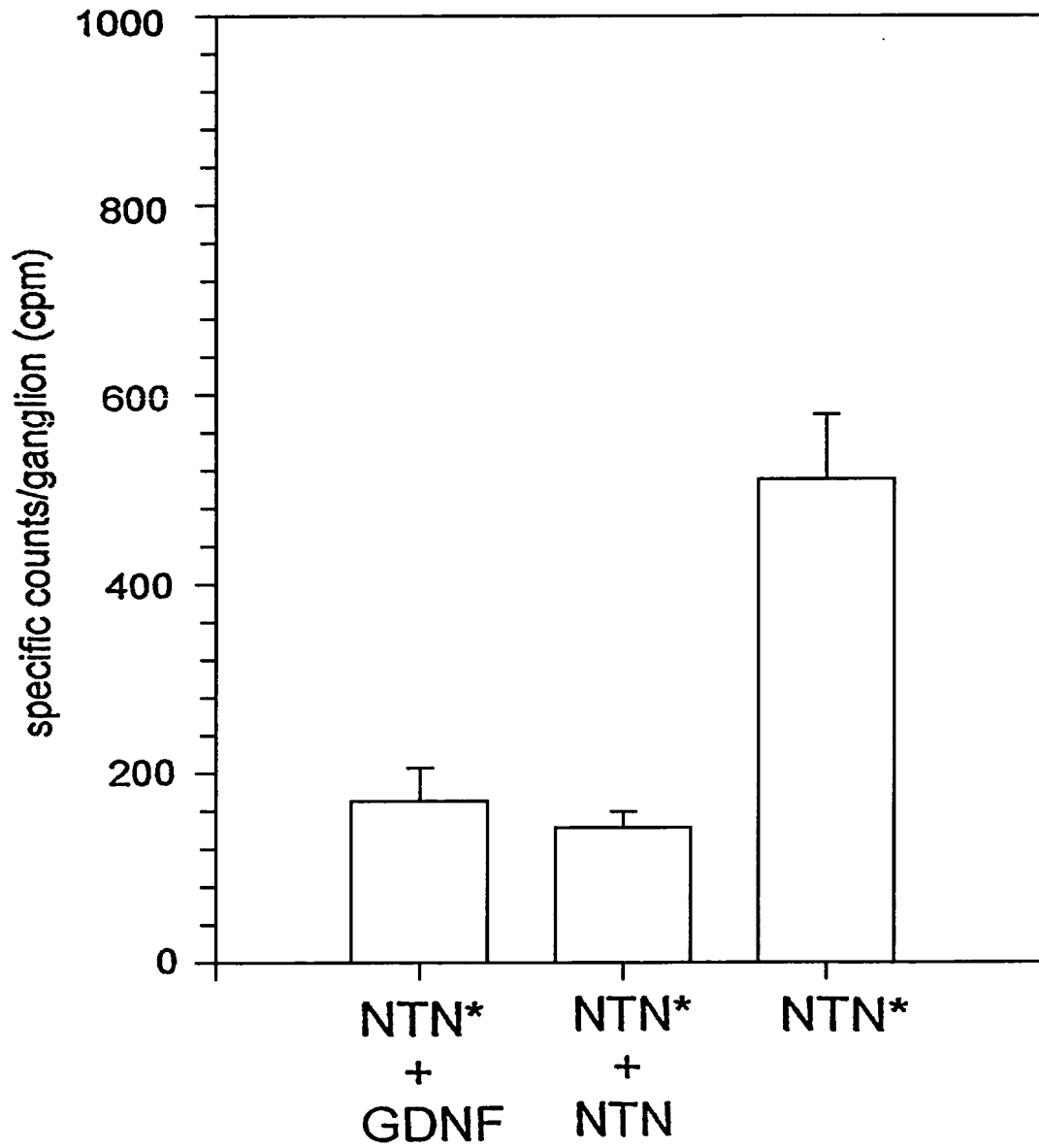


Figure 15

SEQ ID NO:	GROWTH FACTOR	SEQUENCE
134	TGFβ1	CCVRQLYIDFRKDLGWR-WIHEPKGYHANFCLGRCPIYNSLDT-----QYSKVLALYNQENPGASAA-PCCV--PQALEPLPIVTVYVGRKPKV--EQLSNMIVRSCKCS
135	TGFβ2	CCIRPLYIDFRKDLGWR-WIHEPKGYANFCAACAPYLWSSDT-----QHSKVLSTLNTINPEASAS-PCCV--SQDLEPLTILYYIGKPKI--EQLSNMIVRSCKCS
136	TGFβ3	CCVRPLTYIDFRQDLGWR-WIHEPKGYANFCAAGPCPYLRADT-----TSTVLAGLNTINPEASAS-PCCV--PQDLEPLTILYYIGKPKV--EQLSNMIVRSCKCS
137	INHGA	CCCKQFVSFK-DIGMNDMILAPSGYHANYCEGRCPSHLAG-TSGSSLSPHSITVINYRMGHSPPANLKSQCV--PTLRPMNMLYYDQONTI-KKDIQNMIVEECGCS
138	INHGB	CCRCQFFIDFR-LIGMNDMILAPTYGYGNYCEGSCPAYLAG-VPQSASSTFAVNNQRMGLTF-GTVNSCCI--PTLSTMSMLYFDDENIV-KRDVPMNIVEECGCA
139	NODAL	CRVKPQVDFFN-LIGMNSWITYPKQYNATRCCEGPCNPVGESEHPT---NEAVTQSLKRYQPER-VPSTCCA--PVTKPLSMLYVDNRG--VILEHHKDMIVEECGCL
140	BMP2	CRHSLYVDFFS-DVGWMDMIVAPPGYQAFYCHGDCPPPLADHINST---NEAVTQTLVNSVNS-K-IPKACCV--PTLSTMSMLYDENEKVLK-NYQDMVVEGCGCR
141	BMP4	CRHSLYVDFFS-DVGWMDMIVAPPGYQAFYCHGDCPPPLADHINST---NEAVTQTLVNSVNS-8-IPKACCV--PTLSTMSMLYDENEKVLK-NYQDMVVEGCGCR
142	DDP	CRHSLYVDFFS-DVGWMDMIVAPPLGYDAYYCHGKCPPLADHINST---NEAVTQTLVNSVNS-8-IPKACCV--PTLSTMSMLYDENEKVLK-NYQDMVVEGCGCR
143	BMP5	CKKHELVSFR-DIGMNDMILAPEGYAFYCDGECSPFLNANMNAT---NEAVTQTLVNLMPDH-VPKPCA--PTQLNALSVLYPDDNSNVTLK-KYRMNVVRSQCH
144	BMP6	CKKHELVSFR-DIGMNDMILAPEGYAFYCDGECSPFLNANMNAT---NEAVTQTLVNLMPDH-VPKPCA--PTQLNALSVLYPDDNSNVTLK-KYRMNVVRSQCH
145	BMP7	CKKHELVSFR-DIGMNDMILAPEGYAFYCDGECSPFLNANMNAT---NEAVTQTLVNLMPDH-VPKPCA--PTQLNALSVLYPDDNSNVTLK-KYRMNVVRSQCH
146	BMP8	CRHSLYVSFQ-DIGMNDMILAPQGYSAFYCEGECSPFLDSQMNAT---NEAVTQTLVNLMPDH-VPKPCA--PTQLNALSVLYPDDNSNVTLK-KYRMNVVRSQCH
147	60A	COMQTYIDFK-DIGMNDMILAPBGYAFYCEGECNFPPLNANMNAT---NEAVTQTLVNLMPDH-VPKPCA--PTQLNALSVLYPDDNSNVTLK-KYRMNVVRSQCH
148	BMP3	CARRYLVDFK-DIGMNDMILAPBGYAFYCEGECNFPPLNANMNAT---NEAVTQTLVNLMPDH-VPKPCA--PTQLNALSVLYPDDNSNVTLK-KYRMNVVRSQCH
149	VG1	CKRRLVVEFK-DVGWQNVVILAPQGYMANYCYGECFPPLTEILNLS---NEAVTQTLVNLMPDH-VPKPCA--PTQLNALSVLYPDDNSNVTLK-KYRMNVVRSQCH
150	GDF1	CRARLVVSFR-EVGMHNVVILAPRGFIANYCQGCALPVALLSGSGGPPALNNAVILALNNAALPQA-ADLPCCV--PTQLNALSVLYPDDNSNVTLK-KYRMNVVRSQCH
151	GDF3	CHRHOLFNFQ-DIGMNDMILAPQGYMANYCYGECFPPLTEILNLS---NEAVTQTLVNLMPDH-VPKPCA--PTQLNALSVLYPDDNSNVTLK-KYRMNVVRSQCH
152	DORSALN	CRRTSLHVNFK-EIGWDSWILAPQGYAFYCEGECFPPLTEILNLS---NEAVTQTLVNLMPDH-VPKPCA--PTQLNALSVLYPDDNSNVTLK-KYRMNVVRSQCH
153	INHd	CHVALNVSF-QEIGMERNTVYPSFIHYCHGCGGLHPNLSLPPVGAAPTPAQPYSL-----PGAQPCCALPQTPMPLHVRTSPGQYISFKYETVFNLLQHCACI
154	MS	CALRELSDILRERS---VLIPEYQANNCOGACGMPQSDR---NRYGHEVILLKQARQATLARPCCV--PTAYT--GKLLISLSEERISAHVHPNNAVATECGCR
155	GDF9	CELDPSLSFS-QLKMDNMTIVAPHSYNPSYCKGDCPSAVSHRYGSPV---HTWQNMITE-KLDPSPVSPSCV--PKQYSPISVLITIBDGSIAFK-EYEDNVAITSCTCR
156	GDNF	CVLTALHNAVNT-DLGLG--YETKEELIFRYCSGSCD-AAETTYDKILKNTSRN-----RLVSDKV-GQACCRLPAD-DLISFL-----DNLVYHILRKHSARKCGCI
157	NTN	CGARELEVRS-ELGLG--YASDETVLFRYCAAGAC-AAARVYDILGRRLRQ-----RLRREVRVRAQPCCRPTAYE-DEVSFL-----DAHSRYHTVHELARBCACV

Figure 16

SEQ ID NO:	GROWTH FACTOR	SEQUENCE	
86	TGFβ1	CCVRQLYIDFRKDLGWK-WIHEPKGYHANFCLGPCPYIWSLDT-----QYSKVLALYNQHNPGASAA-P	62
87	TGFβ2	CCLRPLYIDFKRDLGWK-WIHEPKGYNANFCAGACPYLMSBDT-----QHSRVLSLYNTINPEASAS-P	62
88	TGFβ3	CCVRPLYIDFRDLGWK-WIHEPKGYNANFCAGACPYLMSBDT-----THSTVLGLYNTLNPEASAS-P	62
89	INHα	CKKQFFVSPK-DIGWMDWIAPSGYHANYCEGECPSHIAJ-TSGSLSFHSSTVINHYRMRGHSPFANLKS	69
90	INHβ	CCRQFPIDFR-LIGWMDWIAPTYGNYCEGSCPAYLAJ-VPGSASFTAVNQYRMQLNP-GTVNS	68
91	NODAL	CRVKFQVDFN-LIGWGSWITYPKQYNAYRCBGECPCNPVGEFHPPT-----NHAYIQSLKRYQPHR-VPST	65
92	BMP2	CKRHPLYVDFS-DVGWMDWIVAPPGYHAFYCHGECPPPLADHLNST-----NHAIVQTLVNSVNS-K-IPKA	64
93	BMP4	CRHSLYVDFS-DVGWMDWIVAPPGYQAFYCHGDCPPPLADHLNST-----NHAIVQTLVNSVNS-S-IPKA	64
94	DPP	CRHSLYVDFS-DVGWMDWIVAPLGYDAYYCHGKCPPLADHFNST-----NHAVQTLVNNANPGK-VPKA	65
95	BMP5	CKKHELVSFR-DIGWQDWIAPEGYAAFYCDGECSPPLNAHMNAT-----NHAIVQTLVHLMNPEY-VPKP	65
96	BMP6	CKKHELVSFQ-DIGWQDWIAPKGYAANYCDGECSPPLNAHMNAT-----NHAIVQTLVHLMNPEY-VPKP	65
97	BMP7	CKKHELVSFR-DIGWQDWIAPEGYAANYCEGECAPPLNSYNAT-----NHAIVQTLVHFINPET-VPKP	65
98	BMP8	CRHSLYVSFQ-DIGWLDWIVAPQGYSAFYCEGECSPPLDSCMNAT-----NHAIQSLVHLMKPNV-VPKA	65
99	60A	COMQTLYIDFK-DIGWMDWIIAPEGYGAFFYCSGECNPPPLNAHMNAT-----NHAIQTLVHLMKPNV-VPKA	65
100	BMP3	CARLYLKVDFA-DIGWSEWIIISPKSFDAYYCSGACQFPMPKSLKPS-----NHATIOSIVRAVGVPPIPEP	66
101	VG1	CKKRHLVSEFK-DVGWQNVIIAPQGYMANCYGECPPPLTBILNGS-----NHAIQTLVHLSIERED-IPLP	65
102	GDF1	CRARLYVSFR-EVGWHRVIAIPRGFLANYCQGCALPVALSGGGPPALNHAVLRALMHAAPGA-ADLP	69
103	GDF3	CHRHQLFINFQ-DLGWHRKVIAIPKGFMANCYHGECPFSMTTYLNS-----NYAFMOALMHMADP-K-VPKA	64
104	DORSAL	CRRTSLHVNFK-EIGWDSWIIAPKDYEAPECKGGCFPLTDNVTPT-----KHAIVQTLVHLQNPCK-ASKA	65
105	INHα	CHRVALNISF-QELGWERWIVPSPFIHYCHGGCGLHIPPNTSLVPVGAAPTPAQPYSL-----PGAQP	65
106	MIS	CALRELSVDLRAERS---VLIPTYOANNCQAGACGWPOSIDR---NPRYGNHVLLKMOARGATLARP	63
107	GDF9	CELHDFSLSPS-QLKMDNMIIVAPHSYNPSYCKGDCPSAVSHRYGSPV---HTWQNMITYE-KLDPSPSP	65
108	GDNF	CVLTAIHLNVT-DLGLG--YETKEELIPRYCSGSCD-AAETTYDKILKNLSRN-----RRLVSDKV-GQA	60
109	NTN	CGLRELEVRVS-ELGLG--YASDETVLFRYCAGACE-AAARVYDGLRLRLRQ-----RRLRBRVRVRAQP	61

Figure 17

SEQ ID NO:	GROWTH FACTOR	SEQUENCE
110	TGF $\beta$ 1	CCV--PQALEPLPIVYYVGRKPKV--EQLSNMIVRSCKCS
111	TGF $\beta$ 2	CCV--SQDLEPLTILYYIGKTPKI--EQLSNMIVKSCKCS
112	TGF $\beta$ 3	CCV--PQDLEPLTILYYVGRTPKV--EQLSNMVVKSCCKCS
113	INH $\beta$ A	CCV--PTKLRPMSMLYYDDGQNI I-KKDIQNMIVEECGCS
114	INH $\beta$ B	CCI--PTKLSTMSMLYFDDEYNIV-KRDVPNMIVEECGCA
115	NODAL	CCA--PVKTKPLSMLYVDNGR--VLLEHHKDMIVEECGCL
116	BMP2	CCV--PTELSAISMLYLDENEKVVVK-NYQDMVVEGCGCR
117	BMP4	CCV--PTELSAISMLYLDDEYDKVVVK-NYQEMVVEGCGCR
118	DPP	CCV--PTQLDSVAMLYLNDQSTVVVK-NYQEMTVVGCGCR
119	BMP5	CCA--PTKLNAISVLYFDDSSNVILK-KYRNMVVRSCGCH
120	BMP6	CCA--PTKLNAISVLYFDDNSNVILK-KYRNMVVRACGCH
121	BMP7	CCA--PTQLNAISVLYFDDSSNVILK-KYRNMVVRACGCH
122	BMP8	CCA--PTKLSATSVLYYDSSNNVILR-KHRNMVVKACGCH
123	60A	CCA--PTRLGALPVLYHLNDENVNLK-KYRNMIVKSCGCH
124	BMP3	CCV--PEKMSSLSILFFDENKNVVVKV-YPNMTVESACACR
125	VG1	CCV--PTKMSPISMLFYDNNDNVVLR-HYENMAVDECGCR
126	GDF1	CCV--PARLSPISVLFFDNSDNVVLR-QYEDMVVDECGCR
127	GDF3	VCV--PTKLSPISMLYQDSDKNVILR-HYEDMVVDECGCG
128	DORSLN	CCV--PTKLDAISILYKDDAGVPTLIYNYEGMKVAECGCR
129	INH $\alpha$	CCAALPGTMRPLHVRTTSDGGYSFKYETVPNLLTQHCACI
130	MIS	CCV--PTAYT--GKLLISLSEERISAHVPMVATECGCR
131	GDF9	SCV--PGKYSPLSVLTIEPDGSIAYK-EYEDMMATSCTCR
132	GDNF	CCRPIAFD-DDLSFL-----DDNLVYHILRKHSACRCGCI
133	NTN	CCRPTAYE-DEVSFL-----DAHSRYHTVHEL SARECACV

Figure 18

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